



03-17-05

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PATENT

Attorney Docket No.: 1481/US/2

Express Mail Label No.: EV 447 217 655 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Guoqiang Mao et al.

Application No.: 10/718,880

Filed: November 21, 2003

For: FUNCTIONAL SURFACE COATING

Confirmation No.: 1472

Examiner: Erma C. Cameron

Art Unit: 1762

CERTIFICATE OF MAILING BY EXPRESS MAIL

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The undersigned hereby certifies that the following documents:

1. Supplemental Information Disclosure Statement Under 37 C.F.R. § 1.97(c)(2) and § 1.98 (2 pages);
2. PTO/SB/08A Information Disclosure Statement by Applicant (2 pages);
3. Four (4) Articles;
4. Check for \$180.00;
5. Certificate of Mailing by Express Mail; and
6. Return Card,

relating to the above application, were deposited as "Express Mail" under 37 CFR § 1.10, Mailing Label No. EV 447 217 655 US with the United States Postal Service, addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 16 day of March, 2005.

Date: 3/16, 2005

Jane Helis

Mailer

Dorsey & Whitney LLP

Jane Helis

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
Under 37 C.F.R. § 1.97(c)(2) and § 1.98

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The Examiner is requested to consider the references noted on the enclosed Form PTO/SB/08A during examination of the above-identified patent application. The references are submitted for the Examiner's consideration and are submitted pursuant to the duty of disclosure under 37 C.F.R. § 1.56. In submitting the references, no representation is made or implied that the references are or are not material to the examination of the application. The Examiner is encouraged to make his or her own determination of materiality. Photocopies of the references are provided herewith.

In accordance with 37 C.F.R. § 1.97(c)(2), this supplemental information disclosure statement is being filed after the mailing date of a first office action, but before the mailing of a final action, a notice of allowance, or an action that otherwise closes prosecution in the application.

Pursuant to 37 C.F.R. § 1.17(p), a check in the sum of \$180.00 is enclosed. If any additional fees are deemed necessary, such fees may also be charged to Deposit Account No. 04-1415.

Application No. 10/718,880
Attorney Docket No. 1481/US/2
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Should the examiner have any questions, please contact the undersigned attorney.

Dated: 3/16/05

Respectfully submitted,



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Enclosures

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| PTO/SB/08A (08-03) U.S. Patent and Trademark Office, DEPARTMENT OF COMMERCE Substitute for Form 1449A (11-01) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | APPLICATION NO.: 10/718,880 | FILING DATE: November 21, 2003 |
| | FIRST NAMED INVENTOR: Guoqiang Mao et al. | ART UNIT: 1762 |
| | EXAMINER NAME: Erma C. Cameron | ATTY. DOCKET NO.: 1481/US/2 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIALS* | Cite No. ¹ | PATENT NUMBER | ISSUE DATE | Name of Patentee of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
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U.S. PUBLICATION DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

| EXAMINER INITIALS ¹ | Cite No. ² | Include name of Author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ³ |
|---|-----------------------|---|----------------|
| | | Hoffman, A. S., "Non-Fouling Surface Technologies", <i>Journal of Biomaterials Science: Polymer Edn.</i> , Vol. 10, No. 10, pages 1011-1014 (1999) | |
| | | <i>Poly(ethylene glycol) Chemistry and Biological Applications</i> , ACS Symposium Series 680, Harris, J. M. et al., Eds., American Chemical Society, "Protein Adsorption on Poly(ethylene oxide) – Grafted Silicon Surfaces", Sofia, S. J. et al., Chapter 22, pages 342-360 (1997). | |
| | | <i>Poly(ethylene glycol) Chemistry and Biological Applications</i> , ACS Symposium Series 680, Harris, J. M. et al., Eds., American Chemical Society, "Using Self-Assembled Monolayers That Present Oligo(ethylene glycol) Groups to Control the Interactions of Proteins with Surfaces", Mrksich, M. et al., Chapter 23, pages 361-373 (1997). | |
| | | <i>Poly(ethylene glycol) Chemistry and Biological Applications</i> , ACS Symposium Series 680, Harris, J. M. et al., Eds., American Chemical Society, "Surface Modifications with Adsorbed Poly(ethylene oxide)-Based Block Copolymers", Caldwell, K. D., Chapter 25, pages 400-419 (1997). | |
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